	RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)								DATE	February 2003			
BUDGET ACTIVITY 07 - Operational System Development			PE NUMBER AND TITLE 0305906F NCMC - TW/AA System								PROJECT 4806		
	COST (\$ in Thousands)	FY 2002 Actual	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost		
4806	Combatant Commanders' Integrated Command and Control System (CCIC2S)	15,276	15,214	57,933	64,992	68,602	54,217	37,829	24,473	Continuing	TBD		
	Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0	0		

NOTE: In FY03 the project title 'N/UWSS' is being changed to 'CCIC2S.' As a result of the changes to the Unified Command Plan (UCP), the name change from N/UWSS to CCIC2S more correctly depicts end-user weapon system capabilities while addressing multiple command requirements.

(U) A. Mission Description

The Combatant Commanders' Integrated Command and Control System (CCIC2S) provides the future standards-based, interoperable architecture for a North American Aerospace Defense Command/US Strategic Command (NORAD/USSTRATCOM) Battle Management/C4I system of systems that complies with the Network Centric Enterprise Services (NCES) Common Operating Environment (COE), Joint Technical Architecture (JTA) standards and provides for DoD/Joint Command and Control (C2) interoperability. New Space C2 capability will be integrated with this new architecture along with the evolving legacy mission capability to provide a fused battlespace picture. CCIC2S addresses all CINC NORAD and selected Combatant Commander USSTRATCOM missions including the Integrated Tactical Warning/Attack Assessment (ITW/AA) of missile, space, and air threats and Space Battle Management. CCIC2S will provide CINC NORAD and Combatant Commander USSTRATCOM a C2 system that is interoperable with the NORAD/USSTRATCOM warfighting functions and supporting/supported Combatant Commanders; and, is flexible to enable it to extend to meet evolving mission needs (e.g., Space-Based Infrared System (SBIRS), Ground-Based Midcourse Missile Defense (GMD), Space Control, Airborne Laser (ABL), Space-Based Laser, Computer Network Defense (CND) and Information Operations (IO)). The CCIC2S operational architecture will allow Combatant Commanders to better monitor world situations, make threat assessments, formulate Course of Actions (COAs), and develop force direction for synchronized warfighter operations. CCIC2S will consolidate the air/space battle management picture.

This program is consistent with the Air Force Long Range Plan, Joint Vision 2010, and the Defense Planning Guidance. The Joint Requirements Oversight Council (JROC) approved the N/UWSS (renamed CCIC2S in FY03) Mission Needs Statement (MNS) on 18 May 1998. Command and Control (C2) of Space Forces Requirements Document (ORD) was approved 17 Apr 2000.

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	RDT	&E BUDGET ITEM JUST	ΓΙΓΙCATION SHEET (R-2 Exhibit)	DATE February 2003
	GET ACTIVITY - Operational S	ystem Development	PE NUMBER AND TITLE 0305906F NCMC - TW/AA Sy	PROJECT
(U)	A. Mission Descrip	otion Continued		
(U)	FY 2002 (\$ in Thou	isands)		
(U)	\$4,608	Continued Enterprise database infra mission Common Operating Picture	astructure development (Core C2) and evolved architecture to e (COP).	incorporate an integrated space, missile, and air
(U)	\$2,844	Continued C2 of space forces/threa	t warning development. (Air, Missile, and Space).	
(U)	\$2,843	-	attle manager through spiral development.	
(U)	\$4,981	Management Core System (TBMC)	stem engineering to define the path for new and upgraded mis S), IO, Intel and ITW/AA) impacting fixed and mobile C2 nocture, new technology insertion, integrated scheduling, test pla	des. This included spiral development release
(U)	\$15,276	Total		,
(U)	FY 2003 (\$ in Thou	isands)		
(U)	\$4,860	Continue Enterprise database infras mission Common Operating Picture	structure (Core C2) development and evolve architecture to ince (COP).	corporate an integrated space, missile, and air
(U)	\$2,822	Continue C2 of space forces/threat	warning development. (Air, Missile, and Space).	
(U)	\$2,821	Continue evolution of C2 space ba	ttle manager through spiral development.	
(U)	\$4,711	and ITW/AA) impacting fixed and	em engineering to define the path for new and upgraded missi mobile C2 nodes. This will include spiral development releas addling, test planning and test safety into the CCIC2S network	se planning, communications architecture, new
(U)	\$15,214	Total		
(U)	FY 2004 (\$ in Thou	isands)		
(U)	\$36,688	Continue Enterprise network infras mission Common Operating Picture	tructure (Core C2) development and evolve architecture to ince (COP).	corporate an integrated space, missile, and air
(U)	\$1,945	Continue Air Mission capability in (TBMCS)/GCCS.	cremental development supporting delivery of Air Mission/Th	leater Battle Management Core System
(U)	\$9,493		incremental development by providing GCCS-based core mis le with other National Command Centers.	sile warning capability adaptable to multiple
(U)	\$6,163	Continue Space Surveillance missic current and future space platforms.	on development providing improved object tracking and catalog	oging, and collision avoidance planning of
(U)	\$3,644	Continue Space Defense/Control m	ission development to include support of space mission capab	vility expansion in the AOCs for the Theater
F	Project 4806		Page 2 of 7 Pages	Exhibit R-2 (PE 0305906F)

RDT&E BUDGET ITEM JUSTIFIC	DATE Febru	ary 2003					
BUDGET ACTIVITY OF - Operational System Development	PE NUMBER AND TITLE 0305906F NCMC - T						
U) A. Mission Description Continued							
(U) FY 2004 (\$ in Thousands) Continued							
Warfighter as well as developing expanded (U) \$57,933 Total	d Space C2, Strategic Defensive Counters	pace (DCS), and O	ffensive Counterspace ((OCS) capabilities.			
U) B. Budget Activity Justification							
This program element is in Budget Activity 7, Operational System programs or upgrades in support of operational systems.	m Development, because the projects in th	is program elemen	t support development a	acquisition			
(U) C. Program Change Summary (\$ in Thousands)							
•	<u>FY 2002</u>	FY 2003	FY 2004	Total Cos			
U) Previous President's Budget	15,797	15,694	18,027	TBD			
(U) Appropriated Value	15,797	15,639					
U) Adjustments to Appropriated Value							
a. Congressional/General Reductions	-447	-271					
b. Small Business Innovative Research							
c. Omnibus or Other Above Threshold Reprogram		-154					
d. Below Threshold Reprogram							
e. Rescissions	-74						
U) Adjustments to Budget Years Since FY 2003 PBR			39,906				
U) Current Budget Submit/FY 2004 PBR	15,276	15,214	57,933	TBD			
(U) <u>Significant Program Changes:</u>							
C2 Space Battle Manager has been consolidated under the Space	Defense/Control mission development, w	hich includes spac	e mission expansion in	the AOCs. C2 of			

The funding profile reflects an addition of \$196.7 million in RDT&E, AF funding in FY04 through FY09.

changes to 'CCIC2S'.

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space forces/threat warning development has been broken out to reflect the specific missions involved (Air, Missile, and Space). In FY03, the project title 'N/UWSS'

	RDT&E BUI	DGET IT	TEM JUS	STIFICA	TION SH	IEET (R	-2 Exhib	oit)		DATE Fel	oruary	2003	
•	BUDGET ACTIVITY 07 - Operational System Development					PE NUMBER AND TITLE 0305906F NCMC - TW/AA System							1ECT 6
(U)	D. Other Program Funding St	FY 2002	FY 2003	FY 2004	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	· · · · · · · · · · · · · · · · · · ·		<u>To</u>	otal Cost
(U) (U)	Other APPN OPAF (PE 0305906F, Cheyenne Mountain Complex, P-1 Line Item #42, BA 3)	30,660	13,674	19,512	17,765	19,828	13,374	17,487	12,919	<u>-</u>			TBD
(U)		677	657	6,751	655	676	691	705	716	Continu	ing		TBD
(U)	CCIC2S employs an incrementa requirements. Using an increme common.	ental develo	pment acquis	ition strategy	is critical in	a hardware/s	software inte	nsive C2 syst	tem where 1	2-24 month t			
(U)	F. Schedule Profile						4 1			4 1			4
(U) (U) (U) (U)	GMD - BMC3 ITW/AA Integra ITW/AA Air Mission increment	ntion increm tal deliverie	ental deliveri s (3)	es (2)	1 :	2 3 k	4 I *	X		_	2	3	4
(U) (U)	Core C2 incremental deliveries * Indicates incremental delivery 1 - C2 of Space Forces expands 2 - GMD-BMC2 ITW/AA Integ	(5) y completion to become s gration reduce	n/X indicates Space Surveil ced to plannir	llance/Defenng activities i	se in FY04 w n FY03 (wit	rith yearly de n no specified	d deliveries).		X scheduled for	or May 03. S	Similarly	X , TBMC	X S
Р	Property Property												

	RDT&E BUDGET ITEM JUSTIFICATION	SHEET (R-2 Ext	nibit)	DATE Feb	ruary 2003	
•	oget activity - Operational System Development	PE NUMBER AND TITLE 0305906F NCMC	•		PROJ 480	
(U)	F. Schedule Profile Continued	FY 2002	<u>FY 2003</u>		FY 2004	
	integration into the Air Mission has been consolidated into a single Air Missi development of Air Mission Release 2. 4 - Missile Warning Release 1 design and development occurs FY02-04 with 5 - Core C2 development replaces System Architecture as there are no increm deliveries in FY03 modified to support delivery schedule for Air Mission Release 1 design and development occurs FY02-04 with 5 - Core C2 development replaces System Architecture as there are no increm deliveries in FY03 modified to support delivery schedule for Air Mission Release 1 design and development occurs FY02-04 with 5 - Core C2 development replaces System Architecture as there are no increm deliveries in FY03 modified to support delivery schedule for Air Mission Release 1 design and development occurs FY02-04 with 5 - Core C2 development replaces System Architecture as there are no increm deliveries in FY03 modified to support delivery schedule for Air Mission Release 1 design and development occurs FY02-04 with 5 - Core C2 development replaces System Architecture as there are no increm deliveries in FY03 modified to support delivery schedule for Air Mission Release 1 design and development occurs FY02-04 with 5 - Core C2 development replaces System Architecture as there are no increm deliveries in FY03 modified to support delivery schedule for Air Mission Release 1 design and development occurs FY02-04 with 5 - Core C2 development delivery schedule for Air Mission Release 1 design and development delivery schedule for Air Mission Release 1 design and development delivery schedule for Air Mission Release 1 design and development delivery schedule for Air Mission Release 1 design and development delivery schedule for Air Mission Release 1 design and development delivery schedule for Air Mission Release 1 design and development delivery schedule for Air Mission Release 1 design and development delivery schedule for Air Mission Release 1 design and development delivery schedule for Air Mission Release 1 design and development delivery schedul	delivery in FY05. nental system deliveries dire	ectly associated with System	m Architecture	development. C	Core C2
,	Project 4806 Page	e 5 of 7 Pages		Exhibit	R-2 (PE 03059	06F)

	RDT&E PROC	RAM ELE	MENT/F	ROJECT C	OST BI	REAKDO\	NN (R-3)		DATE F	ebruary 2	2003		
	GET ACTIVITY			PE NUMBER AND TITLE 0305906F NCMC - TW/AA System				-		PROJECT			
<u> 07 -</u>	Operational System	Developme	nt		030590	D6F NCMC	- TW/AA	System			4806		
(U)	A. Project Cost Breakdown	ı (\$ in Thousan	ds)										
							FY:	<u>2002</u>	FY 20	003	FY 2004		
(U)	Systems Engineering							,016	11,8		54,064		
(U)	FFRDC							,300	,		2,915		
(U)	A&AS							347			477		
(U)	Program Support							613			477		
(U)	Total						15	,276	15,2	14	57,933		
(U)	B. Budget Acquisition Histo	ory and Plannir	<u>ig Informatio</u>	on (\$ in Thousand	<u>s)</u>								
(U)	Performing Organizations:												
	Contractor or	Contract											
	Government	Method/Type	Award or	Performing	Project								
	Performing	or Funding	Obligation	<u>Activity</u>	Office	Total Prior	Budget	Budget	<u>Budget</u>	Budget to	<u>Total</u>		
	Activity	<u>Vehicle</u>	<u>Date</u>	<u>EAC</u>	<u>EAC</u>	to FY 2002	FY 2002	FY 2003	FY 2004	Complete	<u>Program</u>		
	Product Development Organ	<u>izations</u>											
	Lockheed Martin	CP/AF	Sep 00	TBD	TBD	14,192	12,016	11,833	54,064	Continuing	TBD		
	Systems Engineering	MIPR	Jan 00	5,631	5,631	5,631	0	0	0	0	5,631		
	Development & Integration												
	(SEDI)												
	Support and Management Or												
	FFRDC	CP/FF	Jan 00	TBD	TBD	2,382	2,300	2,804	,	_	TBD		
	A&AS	CP/FF	Jan 00	TBD	TBD	917	347	464		_	TBD		
	Program Support	Various	Various	TBD	TBD	162	613	113	477	Continuing	TBD		
	Test and Evaluation Organiza	ations											
	None												
(U)	Government Furnished Pro	operty:											
		Contract											
		Method/Type	Award or										
	<u>Item</u>	or Funding	Obligation	<u>Delivery</u>		Total Prior	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	Budget to	<u>Total</u>		
	Description	<u>Vehicle</u>	<u>Date</u>	<u>Date</u>		to FY 2002	FY 2002	FY 2003	FY 2004	<u>Complete</u>	<u>Program</u>		
P	roject 4806			Page	e 6 of 7 Pag	ges			Exhil	FY 2004 Complete 54,064 Continuing 0 0 2,915 Continuing 477 Continuing 477 Continuing			

	RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								February 2003		
BUDGET ACTIVITY 07 - Operational System Development				=	PE NUMBER AND TITLE 0305906F NCMC - TW/AA System					ROJECT 1806	
	Item Description Product Development Proper None Support and Management Pr None Test and Evaluation Property None Subtotals Subtotal Product Developme Subtotal Support and Manag Subtotal Test and Evaluation Total Project	operty Continued: Contract Method/Type Award or or Funding Obligation Vehicle Date rty coperty ent ement			Total Prior to FY 2002 Total Prior to FY 2002 19,823 3,461 23,284	Budget FY 2002 Budget FY 2002 12,016 3,260 15,276	Budget FY 2003 11,833 3,381 15,214	Budget FY 2004 Budget FY 2004 54,064 3,869 57,933	Budget to Complete TBD TBD TBD	Total Program TBD TBD TBD	
P	Project 4806			Page 7 of 7 Pag	ges			Exhib	it R-3 (PE 03	05906F)	